

Geomorphological Assessment of the Relief of Samegrelo Region

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The presented study concerns the geomorphological characterization of Samegrelo region and its complex physical-geographical analysis. It discusses the geographical location of the region, administrative-territorial borders and the main factors affecting the formation of the natural environment. Special attention is paid to climatic, geologic and geomorphologic conditions and the hydrographic network, which significantly determine the ecosystem features of the region.

The work also describes the types of Samegrelo relief – lowland and hilly and hilly-mountain zones and the main structure of soil distribution. A significant part of the work is devoted to the discussion of the geological and tectonic structure of the region, where the structural features of the Colchis Basin and the Black Sea coastal zone are analyzed. Along with tectonic conditions, seismic activity and hydrogeological conditions are assessed.

Research analyzes modern geodynamic processes, including landslides, river bank erosion, mudflows, rock avalanches and rockfalls. The aim of the research is a comprehensive assessment of the natural conditions of Samegrelo region and their spatial analysis.